

PRODUCT DATA SHEET

Sika® Stabilizer-100 LC

ADMIXTURE FOR LIGHTWEIGHT CONCRETE

DESCRIPTION

Sika® Stabilizer-100 LC is a liquid admixture for concrete and mortar, which produces lightweight concrete.

USES

Sika® Stabilizer-100 LC can be used to produce foam concrete and lightweight concrete. It can be used for:

- Filling trenches and pipes (backfill)
- Insulation (thermal and acoustic)
- Lightweight concrete applications

CHARACTERISTICS / ADVANTAGES

- Provides air entrainment of up to 35 %
- Combined with lightweight aggregates, dry density of 800–1600 kg/m³ can be achieved
- The air content is stable, even after the concrete is placed
- The lightweight concrete can be pumped
- Easy production of lightweight concrete and mortar at the ready mix plants using standard dosing equipment
- Does not contain chlorides or other materials that promote steel reinforcement corrosion

PRODUCT INFORMATION

Composition	Aqueous blend of polymers
Packaging	20 kg pail
Shelf Life	12 months from date of production
Storage Conditions	Store in undamaged, unopened and sealed original containers at temperatures between +5 °C and +35 °C. Protect from frost, direct sunlight and contamination. Note: When delivered in bulk, the tanks and equipment used must be free from contaminants.
Density	1.01 ± 0.03 kg/l (at +20 °C)
pH-Value	7-8

APPLICATION INFORMATION

Recommended Dosage	0.4–2.0 % by weight of cement. Exact dosage rate should be determined by trials.
Compatibility	Sika® Stabilizer-100 LC can be used in conjunction with SikaPump®, SikaMent® and Sika® Retarder. To adjust the required fresh concrete density and to determine the correct mixing procedures and times, concrete trials are recommended.

APPLICATION INSTRUCTIONS

DISPENSING

Sika® Stabilizer-100 LC is added to the gauging water or added to the concrete mix at the same time as the gauging water. The mixing time required to achieve a specific density of fresh concrete depends on the type of mixer used, and the aggregates and binder in the mix. Thus, trials are recommended to achieve the desired air pore content and concrete mix.

Sika® Stabilizer-100 LC can also be added into the ready mix truck on site. An additional mixing time of at least 2 minutes per m³ of concrete but not less than 5 minutes must be observed. Before the concrete is discharged, the concrete must be tested for density.

BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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Product Data Sheet
Sika® Stabilizer-100 LC
April 2019, Version 01.01
021404021000000113

SikaStabilizer-100LC-en-MY-(04-2019)-1-1.pdf